

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Jae-Yong HAN, et al  
Serial No. Not Yet Assigned  
Filed: Herewith  
For: RECOMBINANT SCFV ANTIBODIES SPECIFIC TO  
EIMERIA SPP. RESPONSIBLE FOR COCCIDIOSIS

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Hon. Commissioner of Patents & Trademarks  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Sir:

Prior to the examination of this application on the merits, please amend it as follows:

**IN THE CLAIMS**

Please amend claims 21 and 22. A clean version is offered below and a marked up version showing the changes is attached.

21. (Amended) The DNA molecule encoding scFv antibody according to claim 14, wherein the DNA molecule encoding the heavy chain variable region comprising the amino acid sequence of SEQ ID NO:18 comprises DNA molecule of SEQ ID NO:17, the DNA molecule encoding the heavy chain variable region comprising the amino acid sequence of SEQ ID NO:20 comprises DNA molecule of SEQ ID NO:19, the DNA molecule encoding the heavy chain variable region comprising the amino acid sequence of SEQ ID NO:22 comprises DNA molecule of SEQ ID NO:21, the DNA molecule encoding the heavy chain variable region comprising the amino acid sequence of SEQ ID NO:24 comprises DNA molecule of SEQ ID NO:23, and the DNA molecule encoding the heavy chain variable region comprising the amino acid sequence of SEQ ID NO:38 comprises DNA molecule of SEQ ID NO:37.

22. (Amended) The DNA molecule encoding scFv antibody according to claim 14, wherein the DNA molecule encoding the light chain variable region comprising the amino acid sequence of SEQ ID NO:26 comprises DNA molecule of SEQ ID NO:25, the DNA molecule encoding the light chain variable region comprising the amino acid sequence of SEQ ID NO:28 comprises DNA molecule of SEQ ID NO:27, the DNA molecule encoding the light chain variable region comprising the amino acid sequence of SEQ ID NO:30 comprises DNA molecule of SEQ ID NO:29, the DNA molecule encoding the light chain variable region comprising the amino acid sequence of SEQ ID NO:32 comprises DNA molecule of SEQ ID NO:31, and the DNA molecule encoding the light chain variable region comprising the amino acid sequence of SEQ ID NO:40 comprises DNA molecule of SEQ ID NO:39.

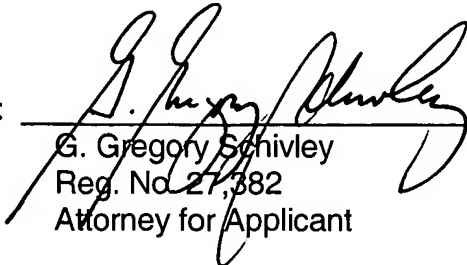
#### REMARKS

Claims 21 and 22 have been amended to remove multiple claim dependency. Support is found in the original claims 21 and 22. Applicant respectfully requests entry of the amendment.

Favorable consideration of this application is respectfully requested.

Respectfully submitted,

Date: February 26, 2002

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## **ATTACHMENT FOR CLAIM AMENDMENTS**

The following is a marked up version of each amended claim in which underlines indicate insertions and brackets indicate deletions.

21. (Amended) The DNA molecule encoding scFv antibody according to [any one of] claim[s] 14[-20], wherein the DNA molecule encoding the heavy chain variable region comprising the amino acid sequence of SEQ ID NO:18 comprises DNA molecule of SEQ ID NO:17, the DNA molecule encoding the heavy chain variable region comprising the amino acid sequence of SEQ ID NO:20 comprises DNA molecule of SEQ ID NO:19, the DNA molecule encoding the heavy chain variable region comprising the amino acid sequence of SEQ ID NO:22 comprises DNA molecule of SEQ ID NO:21, the DNA molecule encoding the heavy chain variable region comprising the amino acid sequence of SEQ ID NO:24 comprises DNA molecule of SEQ ID NO:23, and the DNA molecule encoding the heavy chain variable region comprising the amino acid sequence of SEQ ID NO:38 comprises DNA molecule of SEQ ID NO:37.

22. (Amended) The DNA molecule encoding scFv antibody according to [any one of] claim[s] 14[-20], wherein the DNA molecule encoding the light chain variable region comprising the amino acid sequence of SEQ ID NO:26 comprises DNA molecule of SEQ ID NO:25, the DNA molecule encoding the light chain variable region comprising the amino acid sequence of SEQ ID NO:28 comprises DNA molecule of SEQ ID NO:27, the DNA molecule encoding the light chain variable region comprising the amino acid sequence of SEQ ID NO:30 comprises DNA molecule of SEQ ID NO:29, the DNA molecule encoding the light chain variable region comprising the amino acid sequence of SEQ ID NO:32 comprises DNA molecule of SEQ ID NO:31, and the DNA molecule encoding the light chain variable region comprising the amino acid sequence of SEQ ID NO:40 comprises DNA molecule of SEQ ID NO:39.